



50 Years of DX-cellence

BULLetin

No. 7

August 1998

Pizza Party!

7:30 PM, Thursday, August 13th at *Shakey's*, Sepulveda Blvd. (Exit the San Diego Fwy (405) at Jefferson and proceed east to Sepulveda Blvd.)

August Program: Phased Phizzas (Bring Your Pfork)



In the swamps of Korea, loosely-sprung communications vans lurched to a stop and intrepid radioper-sons dodged fifty caliber shells to plant olive drab whip antennas in the muddy rice paddies. No time

to measure, they were spaced by wit and guile and they worked great! Find out all about phased verticals from Tom, K6ZT at the August Pizza Party. (See "Vertical Compromise" Page 8)

Thrill to the spectacular prizes. (See "President's Soapbox," Page 2.)

Genius in the Shadows "Ted" Gillette, W6HX

March Field, Riverside California, February 10, 1939: Inside a top-secret, guarded hangar, a group of men surround a sleek, twin-boomed aircraft, a silver prototype, bearing the Lockheed and US Army Air Corps insignia. The two counter-rotating Allison 1000 horsepower engines wait on iron stands. Chief Lockheed designer, Hall Hibbard is there, Clarence L. "Kelly" Johnson at his side.

"Again," says Hibbard, and several shirt-sleeved engineers push an engine onto mounts projecting from a boom. Johnson hangs his suit jacket on the edge of the wing, rolls up his sleeves, takes a titanium bolt and delicately, pinky-up, fits it into an engine flange. He touches it gently on each side, wiggles it carefully as the congregation watches, holding their collective breath. It doesn't drop into the mount.

Hibbard turns away: "Let me remind you that the acceptance test by the

(Continued on Page 6)



Ted with the Fokker "Southern Cross" at Burbank airport, 1932

Fresno in '99

Ahhh, Fresno, raisin-maker to the world, agricultural epicenter of the golden west, sunny salad bowl. It is William Saroyan's "Human Comedy."

The Northern California DX Club will helm the 1999 50th DX Convention at the Holiday Inn, Fresno Downtown Plaza on April 9 and 10. Hotel reservations may be made on the Holiday Inn 800 465-4329 number or direct, 209 268-1000. The special rate is \$83.00 per night.

There is more information on the NCDXC.ORG web page.



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President's Soapbox

by Will Angenent, K6NDV



The August meeting is our annual pizza gathering at Shakey's. Of course, just before that we have the annual SDDXC/SCDXC BBQ meeting, this time hosted by Arnie, N6HC and the SCDXC.

The San Diego DX Club has announced officers for the 1998-99 year:

President:

Bud Semon, N7CW

Vice President:

Ed Andress, W6KUT

Secretary/Treasurer:

Harry Hodges, WA6YOO

Directors:

Bruce Clark, K0YW

Cliff Smith, K6TWU

Sam Johnson, W6BS

Harvey Hiller, KD6QK

We will have a lot of raffle prizes for the pizza gathering: Cushcraft D3W, the WARC rotatable dipole; MFJ 259 antenna analyzer, Heil pro headset, Bencher paddles, GPS Blazer-12, a powerful 12 channel receiver and many other items.

Plans and bookings are already made for the Christmas party.

Several good DX stations are showing up on the bands: 1A0KM is active again now, also my friend, Alex, PA3DZN as TL5A (a real contest - like "QSO machine"). Cocos Keeling, (VK9CE) will be on August 8-15.

Here is news about the H40 and FO0 operations I read in the 59(9) DX Report*:

"The ARRL DXAC is in process of reviewing both the Temotu and Australs,

and Marquesas Islands applications. In regard to the H40 application, high fidelity maps are being used to verify the separation distance for acceptance. This is not without precedence as the same procedure was utilized in the Penguin Island (ZS0) accreditation. The FO0 applications are facing a faction that wants the start date before the April 1, 1998 rules change. This is causing some turmoil and confusion on the issue. It is believed all voting will be complete by October, which is after the September 30 deadline for 1998 Honor Roll submission."

We just have to wait and see what happens with this one, I'll keep you informed.

Also from the 59(9) DX Report is a new WARC band award. It is called: "59(9)" WARC Bands Century Award.

This award is for the deserving who worked and confirmed 100 countries on each of the three WARC bands. I know we have several members who have done so already.

I just heard that HK3JJH/HK0M (Malpelo Is.) cards will be accepted for DXCC credit at the ARRL.

Things are looking great in the SCDXC. Hope to see you all at one or both gatherings this month.

...Will, K6NDV

(*Editor's note: **The 59(9) DX Report** is one of our advertisers. This is just an example of the great information you might already have if you subscribed. **The 59(9) DX Report** is a copyrighted (c) publication.)



The Deadline for the September **BULLETIN** will be August 28
Please submit as early as you can!

Packet Spot Iron Cage Free-For-All Derby

by Harvey Shore, K6EXO



I was asked "Just how can I win the derby AND WIN BIG?" The answer is really very simple. Each day put up at least 5 spots. Three

in the morning (the long path gives some nice multipliers) and two in the evening. Be consistent. That will do it. No doubt about it.

This month we see Doug (N6RT) reaching for the ribbon again as we rush down the backfield. Some new horses showed up too. Marv, K6VIV, likes the wee hours.

There were 4989 spots last month and 2011 were made by members of the DX club.

Spotter	Spots	Score
N6RT	368	361
K6YRA	285	304
K6VIV	195	206
N6JZ	175	174
W6LAX	141	135
W6AUG	116	121
N6KZ	120	97
K2PLF-6	87	80
KR6C	72	77
WA6TLA	76	75
K6RO	46	39
KQ6PS	33	31
KK6T	21	28
W7RF	26	23
KG6OK	23	23
WU6T	21	21
W6RW	21	20
W3SE	17	16
AA6RK	15	15
W6EA	13	13
W6KK	18	11
W6EJJ	11	11
K5KT	11	10
W6YY	11	10
K6FG	10	10
W6RT	9	8
K6WS	8	8
K6YUI	8	8
W6SMD	8	7

(Continued on Page 5)

MINIPROP PLUS Predictions

by Shel, W6EL



These predictions for the five prime HF bands show the times when propagation is expected to be best from Los Angeles to several locations that are expected to be active during the coming months. Other times are possible, but with weaker signals or lower probability. Openings are not expected on bands that are not listed. A solar flux of 112, corresponding to a sunspot number of 65, and an average geomagnetic field are assumed. Sunrise/sunset times are at the DX location. All times are UTC.

DX Location:

VK9C Cocos-Keeling - 8/8 to 8/15
Beam 296 degrees
Sunrise/sunset (on 8/12) 2351/1124

SV9 Crete - 8/15 to 8/22
Beam 30 degrees
Sunrise/sunset (on 8/19) 0347/1701

ZK1 North Cooks - 8/16 to 8/21
Beam 229 degrees
Sunrise/sunset (on 8/19) 1648/0431

3D2 Rotuma - 8/29 to 9/19
Beam 245 degrees
Sunrise/sunset (on 9/9) 1814/0604

ET Ethiopia - 9/18 to 9/27
Beam 31 degrees
Sunrise/sunset (on 9/23) 0316/1516

Band/Best Times:

80: 1200-1300.
40: 1130-1330.
20: 0930-1100 and 1300-1630.
Also long path 0100-0400.
15: 1730-1830 and 2330-0700.

40: 0300-0330.
20: 0300-0630.
15: 1930-2130.

80: 0700-1230.
40: 0500-1330.
20: 0300-1330.
15: 1630-0830.
10: 1830-0330.

80: 0800-1330.
40: 0600-1330.
20: 0400-1100 and 1400-1630.
15: 1800-0600.
10: 1900-0200.

40: 0200-0300.
20: 2230-0200 and 0330-0500.
Also long path 1300-1600.
15: 1600-0030.

QSL Corner

by Al, NS6B

3C5DX Via EA5BYP
3D2WC Via OK DX Foundation,
Box 73, Bradlec 29306
Mlada Boleslav,
Czech Republic.
3W6LK Via W3LK
4K9W Via DL6KVA, Axel
Schernkau, Box 1102,
D-18217 Kuehlungsborn,
Germany
5H3MZ Via 5Z4YA, Marini Renato,
Box 174, Malindi, Kenya
9Q5TR Via 4Z5DP, Pia Hoshier,

A61AI
A92GE
BI5Z
C6A/N5XG
EM5HQ
EP3HR
ER5DX
EX2M

4 Hadufst, Ramat Efal,
Israel
Via WA2JUN
Mr. David Box 1976,
Manama, Bahrain
Via W3HC
(ex -W3HCW)
Donald Simons, 5709
Azteca Dr. Fort Worth,
TX 76112
Via RB5QW
Via I2MQP
Victor Rodenco. Box 7,
Chadrlunga, 278700
Moldavia
Via HH2HM/F, Michelle

Hamanaux, Box 104,
Ploubal, France

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FO0PAP

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North Royalton,
Ohio 44123

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Saint Paul, 97411

FR5DX

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HC8N

HP3XUG

Via KG6US

KH3/N8DAZ

Via WA4FFW

TL8A

Via PA3DMH

TM3X

Via F5KFL

VR6DB

Dave Brown, Box 13,
Pitcairn Island,
Via New Zealand

VR6TC

Tom Christian, Via
WD6GUD

VU2WAP

Via K2QEY

YC1XUR

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Cronin, 1909 North 41st
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ZL7DK

Via DK7YY, Falk D.
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Germany

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Dot... dot... dot...

By Guglielmo Pookah, E1EIO



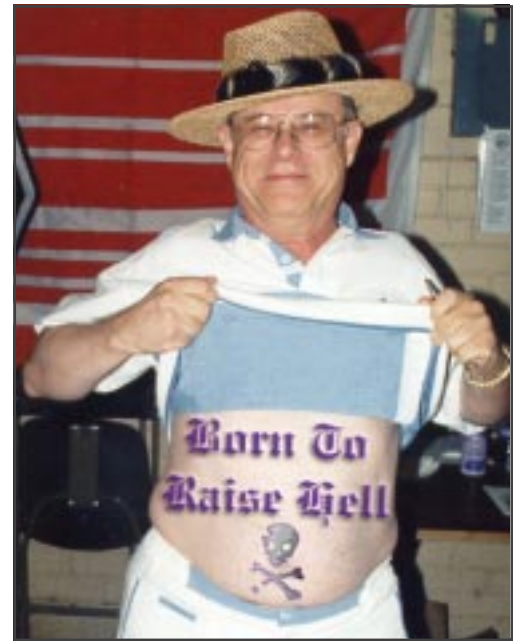
Wes, W3SE racked up the "Q's" in the VHF contest: **110,544 points** from **Round Top Mountain**, 6,315 feet. "That man is a machine," commented **Will, K6NDV**... Lessee... In a VHF contest, don't you multiply the **height of the mountain** times the **number of antenna elements**?... **Skip, KJ6Y** and **Marilyn, N6GIL**, daughter **Andrea, KF6BFM** now add to an all-ham family: Daughter, **Dana, KF6RKU**, passed her **tech plus**. My cousin, their rabbit, **Winston**, has been studying for the **General**, but he hasn't taken the test, because he hasn't got the **lettuce**. Whoever **dries the dishes** gets the **hand-held**... (Right) **Fried Heyn, WA6WZO**, leads a **secret**

life. "He used to keep his **chopper** in the kitchen," says spouse **Sandy, WA6WZN**, "but it **dripped oil** all over the **linoleum**."... **Fried** was seen taking over **Fort Tuthill, Arizona**, after a grueling **Mojave Run**... **Andy, WA6WXD** hosted **Russian visitors RZ9WZ and UA9WV**. He took them to **Fry's**, then to **Tarzana** to check out the **real estate**. From there, they went to the **air show**, **WU6T's** and **K6OJ's** and to a **Brazilian barbecue**. **Ural and Danis** have vowed to wine and dine **Andy** when he **visits** them in **Central Russia**. They're going to take him to the **tractor factory**, the defunct **missile base** and the new **Kenny Rogers franchise**... (Center) **Neil, K6SMF** collects tokens as **Arlene** prepares **vendors** (in this case, **Leo, KF6HI**) for a long day at the **Tuthill Tables**... Your favorite **Pook** has done some intense **Fresno research** and come up with **activities** you won't want to miss: (1) The **Raisin Museum**: Thrill to the reenactment as **Francis Eisen, "Father of the raisin"**, lets his grapes dry and discovers the **raisin**! See the raisins used in the original **liposuction** experiments. Find out what happens to raisins when they stay in the **bathtub** too long... (2) Visit the incredible 250,000 gallon water tower, star of "**Fresno: The Miniseries**."... (3) Cheer the **Fresno Falcons** "hat trick" while shopping at "**What the Puck**"... (4) Yours truly enjoys the **soy** products at **Tofuji**... So who needs the open spaces and clean air of **Visalia**? Give the Pook-er **down-town Fresno** any time. The **rumor** is that **Eisen** neglected his grapes because he got **mugged**... **Jim N6KZ** was so famous on his **Northern Arizona University** team that they named the local **petrol depot** after him (Right)...

Dot's enuff...

...Gugli

(The *BULLETin* is not responsible for Pookah's alleged observations. Gugli's portrait by 'Drew Duncan exclusively for the SCDXC BULLETin.)



Packet Spot Derby

(Continued from Page 2)

Spotter	Spots	Score
W6ZHH	6	6
W6OES	5	5
K6ACZ	4	4
K6OHM	4	4
N6ED	4	4
K6FR	3	3
K6GXO	3	3
KG6AR	3	2
N6AV	3	2
KJ6ZH	2	2
N6RV	2	2
NQ6N	2	2
KC6T	1	1
W6AQ	1	1
W6JTB	1	1
WA6WZO	2	0

Getting back to the how to win question -- Don't make mistakes! Of course we are not deducting points for errors YET. But the PUKA sez we ought to as it is only fair to punish the wicked.

(The Packet Derby automatically assigns points to stations spotting DX on the packet network. Scoring updates are available on the club web site. High-point winner will receive a prize...ed.)

Letter

Dear Editor:
You've heard the expression "DX is."

There is another expression, not quite so well known, but just as accurate, which is "DX is relative." This quote came to mind when I looked at the Packet Spot Derby and noted that I had spotted two stations and received a score of "-4." How can that be? Two spots and "-4?" I'm gonna sue!

This may come as a real shock to the big guns who nit-pick their way through packet spots, but some of us like to know when 6 Meters is open to

the East Coast and when 2 Meters is open to Texas and Hawaii.

There is more to DX than 20 Meters though I certainly would never attempt to convince some of the hide-bound old bastards in the DX club of that fact.

I note with interest that W7RF achieved a "- 16" score (Was that for running his new Henry 8K amplifier?) I will make every attempt to out-negative Radio Dan in the next derby.

David Bell, W6AQ

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DX Accomplishments

(return to: Bruce Horn, 4225 Farmdale Ave., Studio City, CA 91604)

Cut here

Call _____ Name _____ Date _____

Please complete the following based on your **confirmed**, mixed-mode country or zone totals:

DXCC Totals: Active Countries (329 max) _____ Total Countries (including deleted) _____

Are you currently on the Honor Roll ? ☐ Yes ☐ No 5BDXCC ? ☐ Yes ☐ No

Low Bands (Active Countries Only): 160-meters _____ 80-meters _____ 40-meters _____

WARC Bands (Active Countries Only): 30-meters _____ 17-meters _____ 12-meters _____

WAZ Basic Award (40 Zones) ? ☐ Yes ☐ No

Confirmed Zones: 160m _____ 80m _____ 40m _____ 30m _____ 20m _____ 17m _____ 15m _____ 12m _____ 10m _____

SCDXC Web Site: <http://www.primenet.com/~scdxc/>

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Genius in the Shadows

(Continued)

Army Air Corps is tomorrow. Those bolts have to drop in with just a touch of the finger. It is crucial for crews replacing engines under battle conditions. Any ideas?" He looks at each face. These engineers have made every possible calculation and performed every proof. The bolts should slide in, smooth as frog's hair. But they don't.

After several moments of pregnant silence, a throat clears off to the side, in the darkness. As the

assembly of suited engineers and designers looks over, a stocky young man in gasoline-stained Lockheed coveralls steps forward.

"Let me give it a try," says the dark, handsome twenty-five year old mechanic.

"Now?"

"No. Overnight. Alone. I guarantee it by morning."

After a few moments, the group files out leaving Frederick "Ted" Gillette alone with the P-38 Lightning.

"Dad never told me how he did it," says Fred Gillette, Ted's son, "but the P-38 passed inspection."

The Lockheed Lightning went on to be the most successful fighter in World War II.

Ted's father, Burt Gillette, moved the family to California in the early 1920's. Burt was a gifted artist and a director of cartoons. We call them "animated films" today, but in the 1920's they were "cartoons." As the depression swept the country in 1929, people flocked to the movies for solace and amusement, and Burt directed nearly 100 cartoons for major studios.

Ted played varsity basketball at Belmont High in Los Angeles. He could have attended the University of Southern California on a scholarship,



Ted and Burt
Gillette, 1917

but his love of flying sent him in a different direction. He trained at the Wright-Curtis company. He read enthusiastically and pursued his amateur radio hobby with serious concentration.

The depression meant few opportunities for work. "I spent all but about eight hours at the radio, usually with a book open and tuning up and down the bands," Ted said. In his "free" time, he "hung out" at the Burbank airport, using his mechanical talent to pick up odd jobs. He worked for Charles Lindbergh, Amelia Erhardt, Wiley Post, Pancho Barnes and others.

"An Army Air Force general owned a small plane," recounts Fred Gillette, "he let Ted use it to learn to fly in exchange for mechanic services."

Ted landed a job at Lockheed where he was known for his electronic and mechanical talents. "He was a 'one of a kind,' an 'empirical engineer,'" says Alan Emerald, K6GA. "A dying breed in these days of specialization."

In 1934, Burt Gillette received an Academy Award for the Disney cartoon "Three Little Pigs." Beloved humorist Will Rogers presented the award. The following year, Rogers and Wiley Post were killed when their Lockheed Vega, a ship that Ted had worked on, crashed on takeoff at Point Barrow, Alaska. The Vega had been pieced together from two separate planes and had added pontoons for water takeoffs and landings.

"Someone forgot to close the carburetor inspection doors. The carbs froze in that arctic weather," Ted said later.

When Amelia Erhardt asked Ted to fly with her, he politely refused. Later, he confided:

"Amelia was a good friend, but she wasn't much of a pilot compared to Pancho Barnes." "Pancho" was the granddaughter of

balloonist Thaddeus Lowe and a fierce air race competitor. "She was a good as any man," said Ted in those non-politically-correct days.

Ted married Opal, and they built a ranch in Van Nuys, California. In his shop and radio room, Ted, W6HX, meticulously constructed transmitters and amplifiers. His skill was displayed on the pages of books and magazines. By the time amateur radio was shut down for the duration of the Second World War, he had confirmed 123 countries, including the first California contacts with western Europe, Greece and Siberia. An amazing feat for those early days of amateur radio.

Ted's perfectionism and skill won him trophies in the model airplane world where in many ways, aerodynamics were much less forgiving than in full scale.

Athletic and lithe, Ted was in demand as a tower and antenna rigger. Some of his weekend "flying" was at the top of towers he installed for serious "DX'ing" amateurs. In 1965, Ted had been working on the Falcon Missile Project. When it was moved to Arizona, he decided to devote his time to his tower and antenna business. Ted scoured the surplus stores for prop-pitch motors. (These powerful electric brutes turned on the end of the propeller shaft, mainly in the P-51 "Mustang" and the Lockheed "Electra." With the "prop" breaking the sound barrier, the "pitch" or angle of the blade could be changed in



Ted won a few trophies for his model airplanes.

Genius in the Shadows

(Continued)



Opal and Ted, 1937

flight.) He was especially knowledgeable about them. He and son, Fred grunted and groaned under the load of dozens of the greasy, lead-weight motors that could turn a large antenna array on a dime. Ted's custom control boxes were so meticulously built that they could be easily mistaken for commercial or military units.

Fred signed to play professional football for the Oakland Raiders and San Diego Chargers and owned a powerful racing car. "The mirrors vibrated so badly at high speed, they were useless." Fred recalled, "Dad thought it over, went out to the shop and came back with rock-stable mirrors." It was done in silence and without much discussion.

Practically every amateur radio tower installation in Southern California was carefully engineered by W6HX. In 1972, Ted was called to work on a tower installed on a wooden roof. The twenty foot section was guyed to points on the roof and seemed quite sturdy. Any one who has gone through termite inspection these days knows that the outward integrity of a wooden structure may belie a decayed core. It was a bad and a good thing, in a way. As son, Fred, watched in horror amid spine-chilling cracking sounds and

the "spang" of guy wires pulling out of the rotted wood, Ted rode the tower down. The infested roof rafters broke Ted's fall and spared his life.

As the energetic, stubborn, perfectionist Ted Gillette recovered painfully from a broken back, he knew he would never climb a tower again.

In 1985, Opal, the beautiful young woman who took care of the family and raised Chow dogs, died. Ted concentrated on radio and reached the all-time top of the Honor Roll with 380 countries confirmed. He attacked DX'ing with his usual fervor. One did not "lock horns" with W6HX in a pile-up. Ted traveled to Dayton and Germany for conventions and "Hamfests," but he became restless and impatient and as he turned eighty-one in 1995, he abandoned his construction projects. His eyesight was failing and it was just too painful. He sold his ranch and moved out to the desert, to Hisperia, not far from the neglected hangar at March Field in Riverside. "I'm through with radio," Ted said.

But somehow, a small tower "grew" in Ted's back yard, and a new transceiver on his table. Ted discovered friends he had overlooked in the myopia of his life-long obsessions. Ted's considerable contributions to the aircraft, defense and electronics industry were silent and underrated. His special abilities a rare gift that we must try to nurture in our young. Still

waiting modestly in the shadows, Ted died on July 14, 1998.

(Thanks to Alan Emerald, K6GA, Ester Imsande, KB6HW, Gene Real, K6OJ, "Skip" Bolnick, KJ6Y and Fred Gillette for their assistance in compiling this article.)

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NCDXF Elects Officers, Board

At its Board of Directors meeting on July 21, 1998 in San Francisco, CA, the Northern California DX Foundation re-elected the following officers and directors:

President Len Gerald K6ANP
Secretary Tom McShane NW6P
Treasurer Bruce Butler W6OSP
Director Lou Beaudet K6TMB
Director Rusty Epps W6OAT
Director Chuck Ternes N6OJ
Director Steve Thomas N6ST
Director Bob Vallio W6RGG
Director Glenn Vinson W6OTC

Al Burnham, K6RIM, formerly a Director, was elected Vice-President. Bob Fabry, N6EK, was newly elected as a Director. Jack Troster, W6ISQ, announced his decision to retire from the Board of Directors. President Len Gerald, K6ANP, thanked Jack for his

years of service, and presented him with a plaque attesting to his outstanding contributions to the Foundation.

Information pertaining to the Northern California DX Foundation is available at
<www.ncdxf.org>

W6HX in 1967, Prop-Pitch control upper left.



KH6BZF REPORTS

SUNSPOT ACTIVITY INCREASES

Remember: The Es season peaked in June. Some minor F2 and perhaps Es openings may be expected this month, but very little.

August will be transitional month between the Summer and Fall propagation months in the Northern Hemisphere. High bands 10, 12, 15 and 17 MTRS, propagation will be fair to moderate. However, expect 20 MTRS to open shorter in both daylight and evening paths due to the shortening of the sunlight in the Northern Hemisphere. Watch for seasonal increasing propagation on 30 MTRS and 40 MTRS will experience summer thunderstorm status and QRN/QRN with some openings. Very little to some short skip activity may be expected on 80 and 160 MTRS even during the darkness paths.

Let us now look at the HF bands in general this month:

6 Meters: the Sporadic-E is expected to decrease during August. Some short-skip may occur.

10-12 Meters in August: One should expect few DX openings, except some North-South and tropical areas should be open.

15-17 Meters will be your second best DX bands. With increasing solar activity and summertime propagation conditions in the Northern Hemisphere. If 15 meters does not open, you can expect 17 meters not to open as well

20 Meters will be your BEST band as it continues to during August and through mid-September. This is both seasonal and improved conditions due to increased solar activity.

30 Meters will be better and open for great 24-hour DX to somewhere world-wide!

40 Meters should remain in fair condition with ever increased summer QRN levels. Some openings may be expected in the early evening toward the east and south. After midnight openings toward the south and west should occur.

80 Meters should experience high static levels, however some fair opening may be expected during the darkness hours.

160 meters: It is still too early, expect fewer openings. This band will be hampered by QRN static. That's the band rundown for this month.

The data to watch are both 27.5-day solar cycle variations and both daily Alpha and K-indices. If you know the solar cycle repetitions, Alpha or A-index and the K-index, here is what to expect the propagation to be:

ABOVE NORMAL (AN) K-INDEX= ZERO TO 2, ALPHA=O TO 7

HIGH NORMAL (HN)	2 TO 3	8 TO 15
LOW NORMAL (LN)	4	16 TO 29
BELOW NORMAL (BN)	4-5	30 TO 49
DISTRUBED (DIS)	6	50 TO 99
VERY DISTRUBED (VY DIS)	6 TO 9	100 TO 400

The GEOMAG or geomagnetic field is expected to be QUIET between AN and HN. UNSETTLED occurs between HN and LN. AN ACTIVE GEOMAG FIELD occurs at LN. A MINOR Geomagnetic Storm occurs between BN and DIS. A MAJOR STORM occurs at DIS and VY DIS conditions.

Should you have any special questions or want specific questions answered, feel free to contact me via e-mail: leewical@aol.com and I will try to obtain an answer for you. If you wish to write me at my CALLBOOK ADDRESS (CBA) via airmail, please remember to include a SAE plus IRC's for a prompt reply. See you in the DX pileups, in Contests and on 6 Meters....

Best of good DX hunting..... Aloha and Mahalo

Lee, KH6BZF/7J1AAP de "KH6BZF REPORTS"

The Vertical Compromise At the Pizza Party

Tom Rothwell, K6ZT will present "The Vertical Compromise," sharing his extensive knowledge of vertical antennas. Tom was Licensed in 1947 as W6ZQZ, J5AAL in 1947, J2AAL 1948, JA3AA 1949, while in the USAF. He has held Amateur Extra Class since May 1952, follow-



ing his return from recall for the Korean war. He happily exchanged W6ZQZ for K6ZT in 1970. He holds BSEE and MSEE both from USC, employed by Hughes Aircraft Company, 1955 to 1992 as Group VP and Division Manager.

Tom says: "I sorta became a member of the Club in the fall of 1949 upon my return from Japan. Brought my DXCC certificate to the meeting then lost it by leaving it in the restaurant booth at our little after the meeting party. (ARRL replaced it for me.)"

He continues: "In quick succession then came college, Korea for 21 months, college, work, family, etc. (I dropped out of the club in the '80's.) I'm a CW guy, and it bothered me that the club membership had drifted away from CW."

Tom's presentation comes highly recommended and should not be missed.



ARRL Licensing Proposal May Impact DX-ers

By Doris Cookalouris, *BULLETin* Staff Writer

There were no idle minds in Newington last month. Responding to the FCC's plan to simplify and review the Amateur rules, the ARRL has come up with a plan to restructure licensing. Keep in mind that this is a proposal and is no where near becoming law. There's still time to "tweak."

Using an amusing turn of phrase, reaped and cultivated from Orwell's "Newspeak," the League proposes "refarming" the novice sub-bands. (Wouldn't "refarming" mean that something is no longer growing and the land must be refertilized for new growth?)

The present novice CW bands on 80, 40 and 15 meters would be divided, with the upper portion added to the present "phone" bands. As I read it, there would be no more "novice" bands per se, but the lower portion added to the CW/RTTY/DATA section.

All present license classes except "Codeless Technician" would have, at least, "General class" HF privileges. The maximum code requirement would be twelve WPM.

So, would spreading a bit of manure on the present bands swell the ranks of DX-ers? Possibly. Five words a minute would get a beginner out plowing the fertile fields of twenty meters. There would still be some respite for the "upper license classes," exclusive, small sub-bands where they could hobnob with the Brahmas and prize Durockers.

Newcomers would still have to pass tests of skill and rules. It has always seemed that poor operating practices do not correlate with license class. All in all, everyone gains in this proposal and a bit of extra competition doesn't hurt around the ol' barnyard, now does it?

Here is the text of the ARRL proposal:

"Under the plan adopted by the Board, the entry level to Amateur Radio would be known as Class D and would convey the privileges of the present Technician license. The written examination would be at the same level of difficulty as that of the present Technician examination, but consistent with the privileges of the license. All amateurs now licensed as Technicians would become Class D.

The next step would be known as Class C and would convey the privileges of the present General license, but with phone sub-bands expanded by 50 kHz on 75 and 15 meters and by 25 kHz on 40 meters. Class C would be the entry level to high frequency (HF) operating privileges. To upgrade from Class D to Class C, an amateur would pass a written examination on the operational and technical qualifications required for HF operation and a 5 word per minute Morse code examination. All amateurs now licensed as General, Technician Plus, and

Cut here

Novice would become Class C. The expansion of the telephony sub-bands would result from "refarming" of the Novice CW bands that are no longer required for their original purpose.

The third step would be known as Class B and would convey the privileges of the present Advanced license, but with phone sub-bands expanded by 50 kHz on 75 and 15 meters and by 25 kHz on 40 meters. To upgrade from Class C to Class B, an amateur would pass a more advanced written examination similar in difficulty to the present Element 4A and a 12 word per minute Morse code examination. All amateurs now licensed as Advanced would become Class B.

The final step would be known as Class A and would convey the full privileges of the present Amateur Extra Class, with telephony sub-bands expanded by 50 kHz on 75 and 15 meters and by 25 kHz on 40 meters. To upgrade from Class B to Class A, an amateur would be required to pass the most difficult written examination in the sequence. Consistent with the practice in many other countries, no additional Morse code examination would be required beyond 12 words per minute. All amateurs presently licensed as Amateur Extra Class would become Class A."

————— ■ ———— ■ ———— ■ ———— ■

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Heard and Worked

by Mark Weiss, K6FG



Signals don't get to the sunny shores of Southern California like they get everywhere else. Sometimes, a band is open for just a few minutes. Sometimes,

a rare country appears at a crazy time or frequency. Here are selected reports from local stations. Send your report for August to the Editor.

Date	Time	Mode	DX
40			
7/6	0506	CW	TG9GJG
7/12	0324	SSB	5X1T
7/14	1319	CW	BI4C
7/14	1345	CW	FT5XN*
30			
7/4	0223	CW	HC8N*
7/17	0456	CW	TL5A*
7/20	0443	CW	EA6NB
7/30	1336	CW	FT5XN*
20			
7/1	0014	CW	3C5DX*
7/1	2307	TTY	TL5A*
7/2	1357	SSB	V63KU
7/2	1406	SSB	XX9AU
7/2	1412	SSB	3W6LI
7/2	2302	SSB	3C5DX*
7/3	1446	TTY	9M2KU
7/3	2309	SSB	3C5DX*
7/4	0558	CW	TL5A*
7/5	0159	TTY	HC8N*
7/5	2230	TTY	HC8N*
7/5	0547	TTY	HV4NAC
7/10	1415	SSB	7Q7DC
7/11	0339	SSB	OH0BH
7/11	0601	SSB	OJ0VR
7/11	2231	CW	C4A
7/12	1353	CW	FP/W8MV*
7/13	0430	SSB	OJ0BH
7/13	0432	CW	T97M
7/13	0459	TTY	UX4UA
7/13	0513	TTY	G0RGJ
7/13	0519	TTY	EA6ES
7/13	1513	SSB	JT1FBB*
7/13	1519	SSB	JT1CC
7/14	0417	SSB	EW1NX
7/17	0326	SSB	C6A25FV
7/17	1426	SSB	BI5Z
7/31	0207	TTY	CT1FMX

17			
7/2	1515	SSB	AP2JZB*
7/2	1522	CW	UN3F
7/2	2236	SSB	TJ1HP*
7/3	0201	CW	A45XR
7/3	0206	CW	RV6HA
7/3	0455	CW	JY9QJ*
7/3	1647	CW	HB0/HB9LEY
7/3	1734	CW	UN7LG*
7/4	0239	CW	3D2QB
7/4	0402	CW	A92GD*
7/4	0424	CW	JY9QJ*
7/4	1327	CW	3C5DX*
7/4	1525	SSB	YB0LOG
7/5	0309	SSB	ZL8RS
7/5	1627	SSB	9N1FP*
7/6	1405	SSB	XU2FB*
7/6	2339	SSB	HB0/PI4TUE
7/7	0348	CW	JY9QJ*
7/8	0601	SSB	9H4CM
7/9	0542	CW	TL5A*
7/9	1315	SSB	FP/W8MV*
7/10	1924	SSB	ZL8RS
7/11	0536	CW	T95A*
7/14	0432	SSB	FR5DX
7/14	0514	CW	JY9QJ*
7/15	1950	SSB	Z32AF
7/15	2330	SSB	JY5HX
7/18	1650	CW	JX7DFA*
7/19	0601	SSB	JW5NM*
7/19	1910	SSB	9K2RA
7/20	0204	SSB	VP5/CX4CR
7/20	1502	SSB	AP2JZB*
7/25	0055	SSB	TR8JCV
7/27	0045	CW	TL5A*
7/27	1436	SSB	1A0KM*
7/27	1725	CW	9N1FP
7/28	0149	CW	JT1BL
7/28	0530	TTY	5W1SA*
7/28	1712	CW	CU2/DL3HW
15			
7/11	1639	SSB	9H0A
7/11	1700	SSB	TA3J
7/14	2220	CW	A45XR
7/15	1734	SSB	T92D
7/18	1549	CW	JX7DFA*
7/19	2146	SSB	5X1T
7/19	2321	SSB	TJ1HP
12			
7/2	2232	SSB	TJ1HP*
7/5	1558	CW	DL8UD/HI8
7/5	1604	CW	ZP5KO
7/5	1621	SSB	ZS6IR*
7/5	1808	CW	HC8N*
7/5	1909	SSB	ZD8T*
7/5	2030	SSB	FM5JY*

7/5	2034	CW	PY1OTO
7/5	2020	CW	FG/DJ6SI
7/5	2132	CW	TG9GJG
7/10	2357	SSB	ZL8RS
7/11	0328	SSB	ZL8RS
7/11	0333	CW	ZL8RS
7/19	2332	SSB	TJ1HP
7/22	0320	CW	HC4/HC1MD
10			
7/11	0151	SSB	ZL8RS
7/16	0248	SSB	T32Z

* QSL Routes

1A0KM	IK0FKC
3C5DX	EA5BYP
5H3DD	W0RA
5W1SA	JH7OHF
9N1FP	RU6FP
A92GD	K1SE
AP2JZB	K2EWB
BO0K	BV2KI
FM5JY	F5JYD
FP/W8MV	W8MV
FT5XN	F6PEN
HC8N	AA5BT
JT1FBB	W9JOE
JW5NM	LA5NM
JX7DFA	LA7DFA
JY9QJ	DL5MBY
T95A	K2OF
TF7GX	K1WY
TJ1HP	F6FNU
TL5A	PA3DMH
UN7LG	KU9C
XU2FB	N4JR
ZB2FK	G3RFX
ZD8T	AC4IV
ZS6IR	DL4EBA

(Thanks to K6FG, WU6T, K6YRA)



Shack on Wheels

Scott Bovitz, N6MI provided some handy tips for portable operation at the July meeting. His experiences with antennas in the field, both HF and VHF-UHF were informative and entertaining. He has used about every possible portable antenna and mount, including balloons and slingshot wires. He has constructed a virtual traveling ham shack, totally self-sufficient, from batteries to equipment rack. Scott's trial and error is our education.



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Ham Puzzle

by Milt, W6RJO "July Crossword From QST"



Here at the BULLETin, we all hope you enjoyed the crossword puzzle Milt dug up from his ancient supply of QST's. If you really need the solution, send me a S.A.S.E.. It's quite ancient and won't reproduce on these pages. ...ed.

Here is the August Puzzler. Good luck:

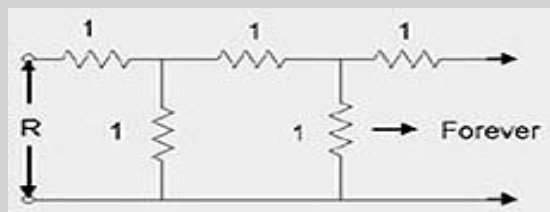
A Long Semi-Ladder Line

Another one for SCDXC "electronikers:" What is the resistance of this infinite, semi-ladder line made from one ohm resistors?

Hint: Split the semi-ladder after the first two resistors.

Looking into the semi-ladder remainder is the same as looking into the beginning because the semi-ladder is infinitely long.

Now figure the first resistor in series with the parallel combination of the first rung resistor and the rest of the semi-ladder.



(Send your solution to the
BULLETin Editor, email, post,
FAX okay)

ARNS Blasts BULLETin

The so-called "Amateur Radio News Service" flamed the BULLETin ranking it in the lowest third of newsletters with a "good" rating out of "Superior, Excellent, Good." The greatest demerits were received for lack of construction articles, beginners articles and "editorials." Two misspelling were found in the sample copy they received. They also cited a "busy" front page and lack of justification (even right edge) of print.

While possibly objective, the use of a "score sheet" requires every publication to "fall in line" with a subjective concept of what's "right for everyone." Obviously, the "Amateur Radio News Service" hasn't gotten the news about "DX" or what DX-ers are interested in. They didn't "get" the BULLETin, either.

Indeed, the BULLETin is cluttered – like the editor's mind – can't help that. I don't like justification. It makes the paper attractive – from a distance, but it imposes a rhythm on the writing that seems artificial. It doesn't insure the article will be read. I've experimented with justification in several places in this issue.

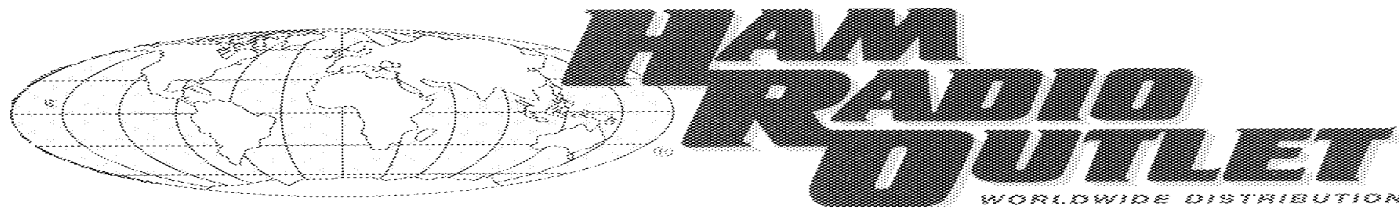
If the BULLETin fell into lock-step with every other newsletter, wouldn't we be better off to just have one? We don't try to copy or do what other publications do better, like "construction articles." The Southern California DX Club requires DXCC or WAZ awards to belong – it says so on our logo – right up front. Our "beginners" are mature and savvy.

Here at BULLETin headquarters, we have been fiendishly searching for something to appease the "ARNS" judges who are Technician class. Perhaps "Beginners: Build Your Own Cluttered Garage – Just Like The Big Guns." Or: "Get Your Start by Forging DX QSL's – A One-Weekend Project."

Hmmm, they didn't notice – the whole damn BULLETin is an editorial! ...ed.



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